

TE | CMPTN | VI (OTR) 23/11/12
GOSE

VI-Sem Exam Nov 12-13

Con. 8262-12.

KR-8678

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.
(2) Answer any **four** questions from Q. Nos. 2 to 7.
(3) Assume suitable data if **necessary**.

1. Consider the problem statement of Online Railway Reservation System :-
 - (a) Draw Use Case Diagram 6
 - (b) Draw Activity Diagram for Make Reservation 8
 - (c) Draw Class Diagram. 6
2. (a) What are the different types of maintenance and also explain steps for creating a maintenance log ? 10
(b) What are the objectives of testing ? Explain black box testing an unit testing. 10
3. (a) Explain how project scheduling and tracking is done for software projects. 10
(b) Describe COCOMO model in detail. 10
4. (a) Why FTR is necessary ? How FTR is conducted ? 10
(b) What do you mean by Requirements ? Explain functional and Non-functional Requirements in detail. 10
5. (a) Explain version control and change control with the help of suitable example. 10
(b) Explain Open Source Software Life Cycle. 10
6. (a) Discuss waterfall and Spiral Model of Software developments with merits and demerits. 10
(b) What is an Agile Process ? Explain any one Agile Process in detail. 10
7. Write short note (any **two**) :- 20
 - (a) Types of Maintenance
 - (b) Risk Management
 - (c) Beta Testing and Regression Testing.
